<110> KANEKA CORPORATION

<120> TRANSFORMANT AND PROCESS FOR PRODUCING POLYESTER BY USING THE SAME

<130> 12218/3

<140> 10/019,543
<141> 2002-01-03

<150> PCT/JP01/04158
<151> 2001-05-18

<150> JP 148726/2000
<151> 2000-05-19

<150> JP 396955/2000
<151> 2000-12-27

<150> JP 16929/2001
<151> 2001-01-25

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<220>
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<220>
<221> CDS
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<223> PHA synthase gene

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ccagccagag tcccagaaga aggtttggct ccagctccag gtcactatgt caaagttaga     1740
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<220>
<221>CDS
<222>1..405
<223> (R)- specific enoyl-CoA hydratase gene

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<210> 5
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<212> DNA
<213> Yarrowia lipolytica

<220>
<223> promoter ALK3p

<400> 5
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gaggggagt ttccttgac caagagtgac aagagtgaga acggcaatgg agtcaatgga        180
gatgagcccg ctactaagaa acaaaaaatc tgaacaagag ccggttttag tacgatacaa      240
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tatgcaccat ttccccacac aactgaagtt tatatatata tactgtaagg actcctgaag     960
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3

<210>6
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<212>DNA
<213>Candida maltosa

<220>
<223>promoter ALK1p

<400>6
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<220>
<223>terminater ALK1t

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tttctttctt tatctttccc ccatgctaag gtctaaaaca ccacaactta aaacccaact         180
taaccgtata atactaagat caatctccaa agatgcat                                 218
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<211> 32
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<213> Artificial Sequence

<220>
<223> primer

<400> 8
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<210> 9
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<212> DNA
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<220>

4

<223> primer

<400> 9
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<210> 10
<211> 33
<212> DNA
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<220>
<223> primer

<400> 10
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<210> 11
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 11
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<210> 12
<211> 26
<212> DNA
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<220>
<223> primer

<400> 12
cccagatcgt ccagattggt ctgcag   26

<210> 13
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<400> 13
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<400> 14

5

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<223>primer

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<210> 19
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<212> DNA
<213> E.coli, Yarrowia lipolytica

<220>
<223> plasmid pSUT5

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6

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7

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aatgtatcat gatgttgatc                                                  1820
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